

FIG. 1

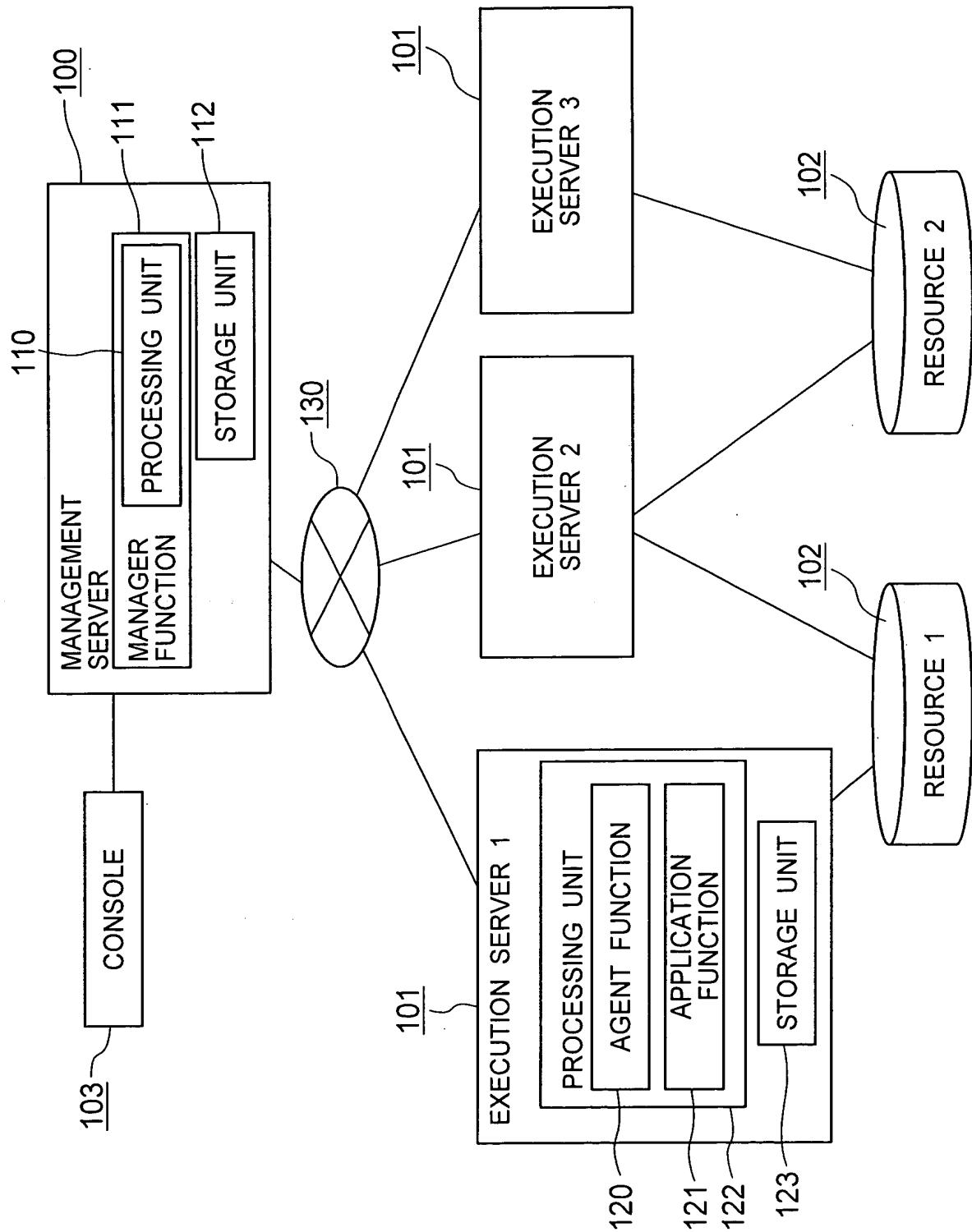


FIG. 2

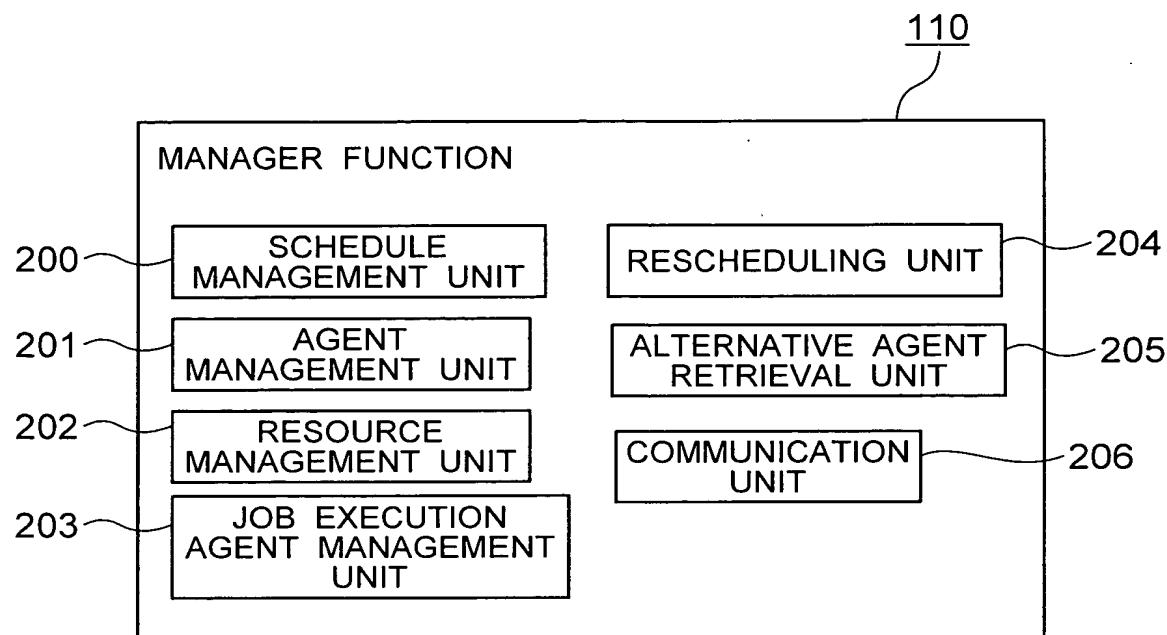


FIG. 3

SCHEDULE TABLE 300

301 EXECUTION START DATE AND TIME	302 FINAL END DATE AND TIME	303 MAXIMUM EXECUTION TIME	304 EXECUTION AGENT	305 EXECUTION JOB
2002/11/10 10:00:00	2002/11/10 10:00:00	01:00	AGENT 1	JOB 1
2002/11/10 23:00:00	2002/11/11 00:00:00	00:30	AGENT 2	JOB 2
WEDNESDAYS 12:00:00	.	02:00	AGENT 3	JOB 3
:	:	:	:	:
:	:	:	:	:
:	:	:	:	:

FIG. 4

JOB TABLE <u>400</u>			
401		402	
		403	
JOB NAME	CONTENT OF EXECUTION	EXECUTION RESOURCE	MAXIMUM PERMISSIBLE COST
JOB 1	CALCULATING PROCESS	CPU, MEMORY	10
JOB 2	BATCH PROCESS	CPU, MEMORY, DISK	20
JOB 3	DATABASE PROCESS	CPU, MEMORY, DATABASE APPLICATION PROGRAM, RESOURCE 2	70
JOB 4	DATABASE PROCESS	CPU, MEMORY, DATABASE APPLICATION PROGRAM, RESOURCE 1	30
:	:	:	:

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FIG. 5

AGENT MANAGEMENT TABLE 500

The diagram shows a rectangular table labeled 'AGENT MANAGEMENT TABLE 500'. Above the table, two labels are positioned: '501' pointing to the top-left corner and '502' pointing to the top-right corner. The table has two columns: 'AGENT NAME' and 'EXECUTION SERVER'. It contains six rows, each with an agent name and its corresponding execution server. The rows are: AGENT 1 (EXECUTION SERVER 1), AGENT 2 (EXECUTION SERVER 2), AGENT 3 (EXECUTION SERVER 3), AGENT 4 (EXECUTION SERVER 2), followed by three additional rows represented by ellipses (three dots) under both columns.

AGENT NAME	EXECUTION SERVER
AGENT 1	EXECUTION SERVER 1
AGENT 2	EXECUTION SERVER 2
AGENT 3	EXECUTION SERVER 3
AGENT 4	EXECUTION SERVER 2
•	•
•	•
•	•

FIG. 6

INTER-RESOURCE DISTANCE MANAGEMENT TABLE 600

602

		USING EXECUTION SERVER			
		EXECUTION SERVER 1	EXECUTION SERVER 2	EXECUTION SERVER 3	...
AVAILABLE RESOURCES	EXECUTION SERVER 1	CPU	5	-	-
		MEMORY	5	-	-
		DISK	5	15	-
		DATABASE	10	20	-
		...			
	EXECUTION SERVER 2	CPU	-	5	-
		MEMORY	-	5	-
		DISK	-	5	15
		...			
	EXECUTION SERVER 3	CPU	-	-	10
		MEMORY	-	-	5
		DISK	15	20	10
		DATABASE	15	30	10
		...			
	RESOURCE 1	DISK	10	-	40
	RESOURCE 2	DISK		20	40

	:	:	:	:	:

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FIG. 7

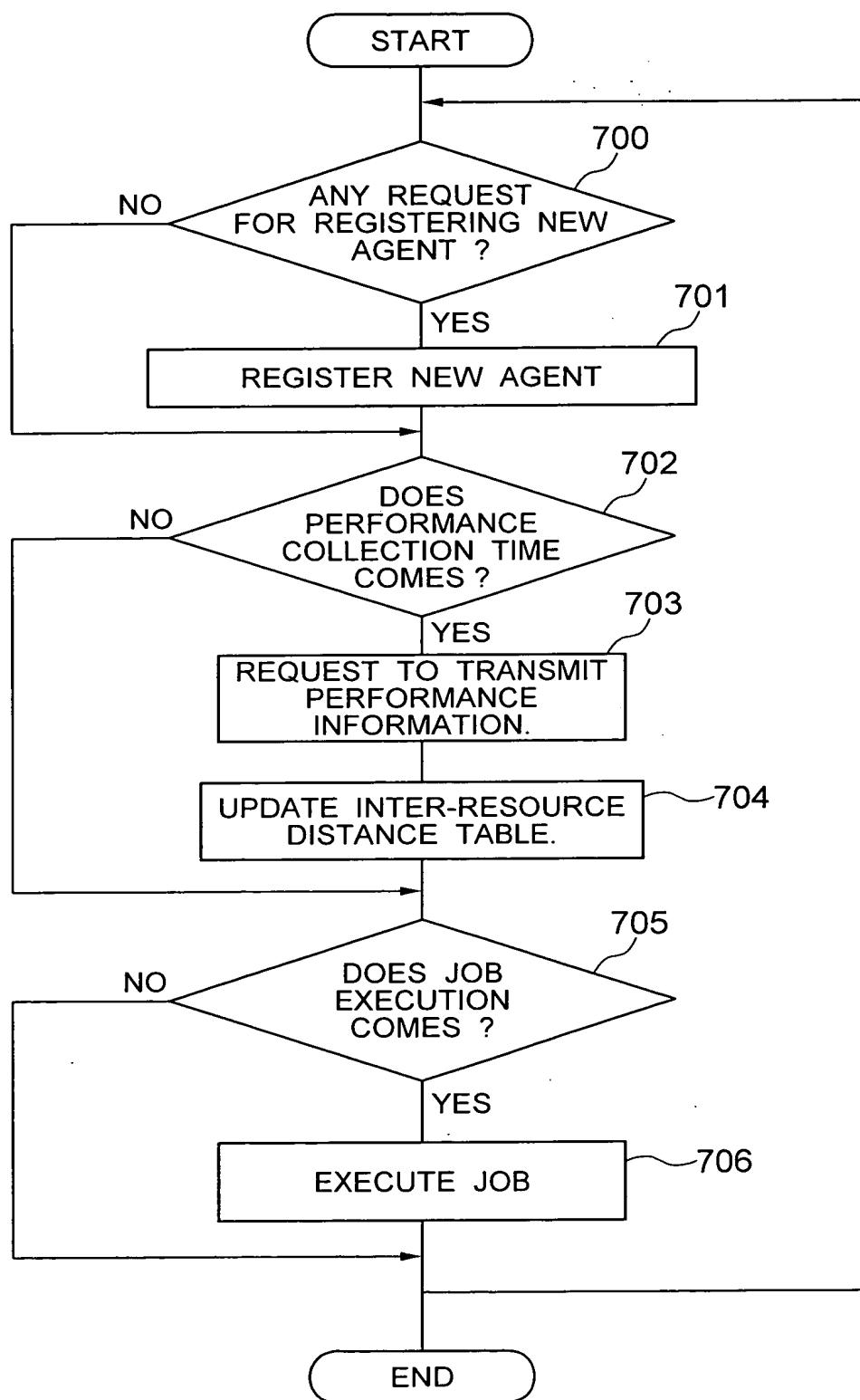


FIG. 8

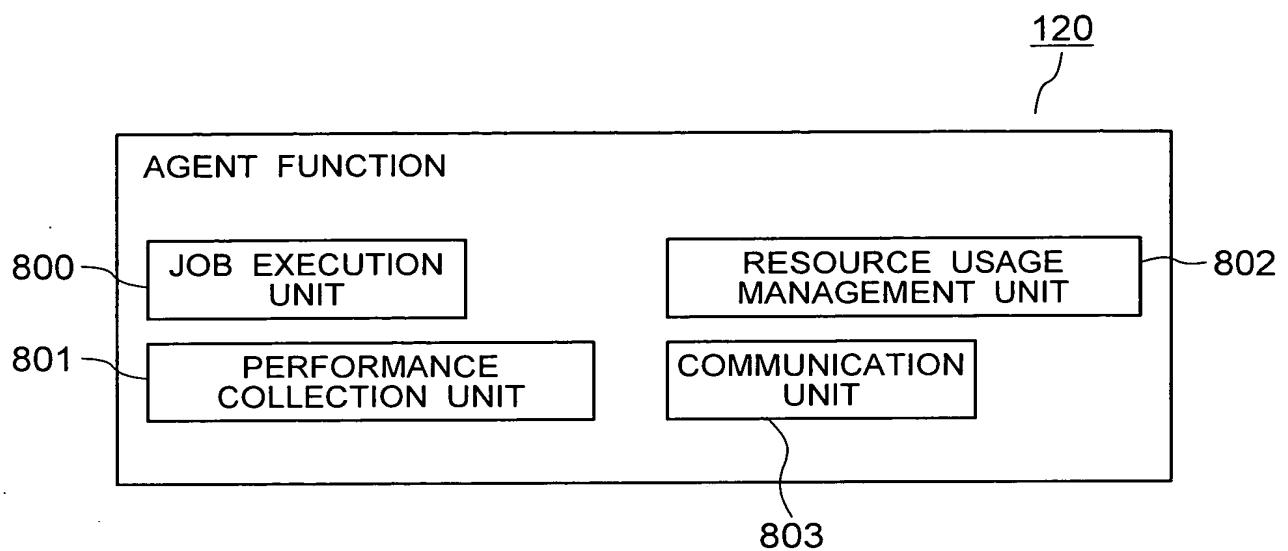


FIG. 9

HISTORY PERFORMANCE TABLE 900

COLLECTION TIME	COLLECTION ITEM			AVERAGE QUERY PROCESSING TIME
	CPU USAGE RATE	USING MEMORY AMOUNT	EMPTY DISK AMOUNT	
10:00:01	30%	200MB	1000MB	0.5ms
10:00:02	23%	256MB	900MB	0.2ms
10:00:03	10%	128MB	900MB	0.6ms
11:00:00	40%	200MB	500MB	1.2ms
11:00:01	14%	250MB	700MB	0.3ms
	:	:	:	:
	:	:	:	:

FIG. 10

RESOURCE RESTRICTION TABLE 1000

JOB	THRESHOLD VALUE EXCEEDING TIMES	THRESHOLD VALUE		
		CPU USAGE RATE	USING MEMORY AMOUNT	EMPTY DISK CAPACITY
JOB 1	2/3 TIME	50% OR MORE	384MB OR MORE	200MB OR LESS
JOB 2	2/3 TIME	60% OR MORE	-	300MB
JOB 3	1/1 TIME	80% OR MORE	-	-
	:	:	:	:
	:	:	:	:
	:	:	:	:

FIG. 11

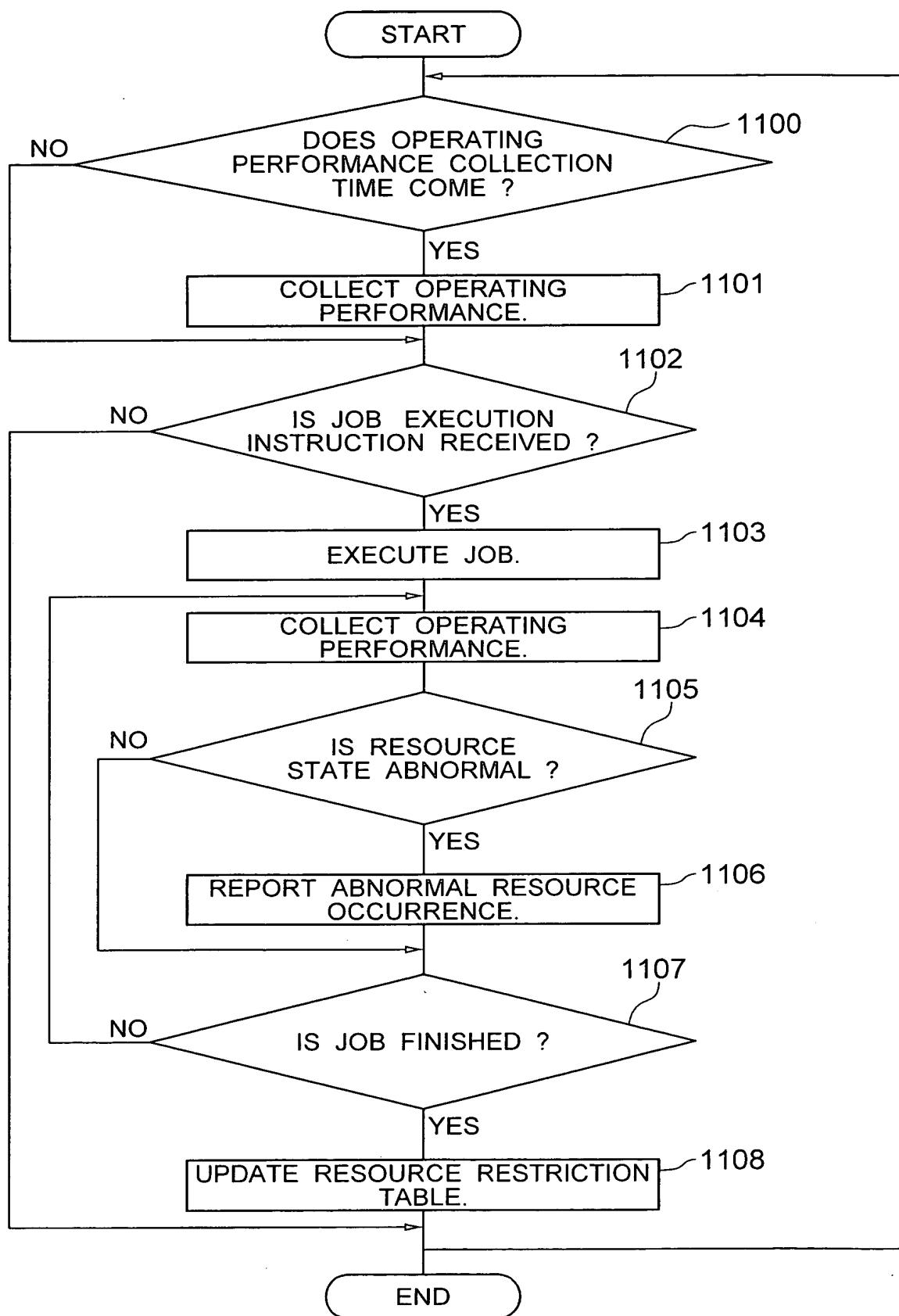


FIG. 12

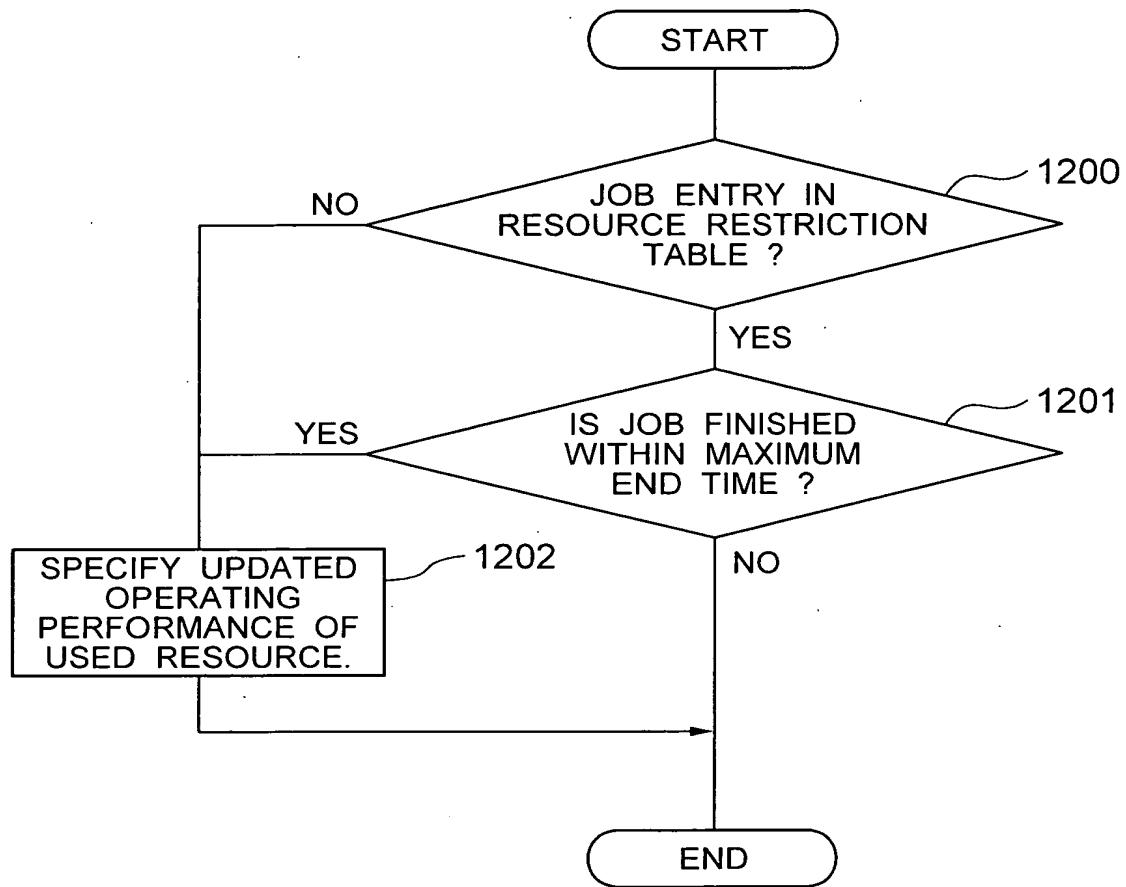


FIG. 13

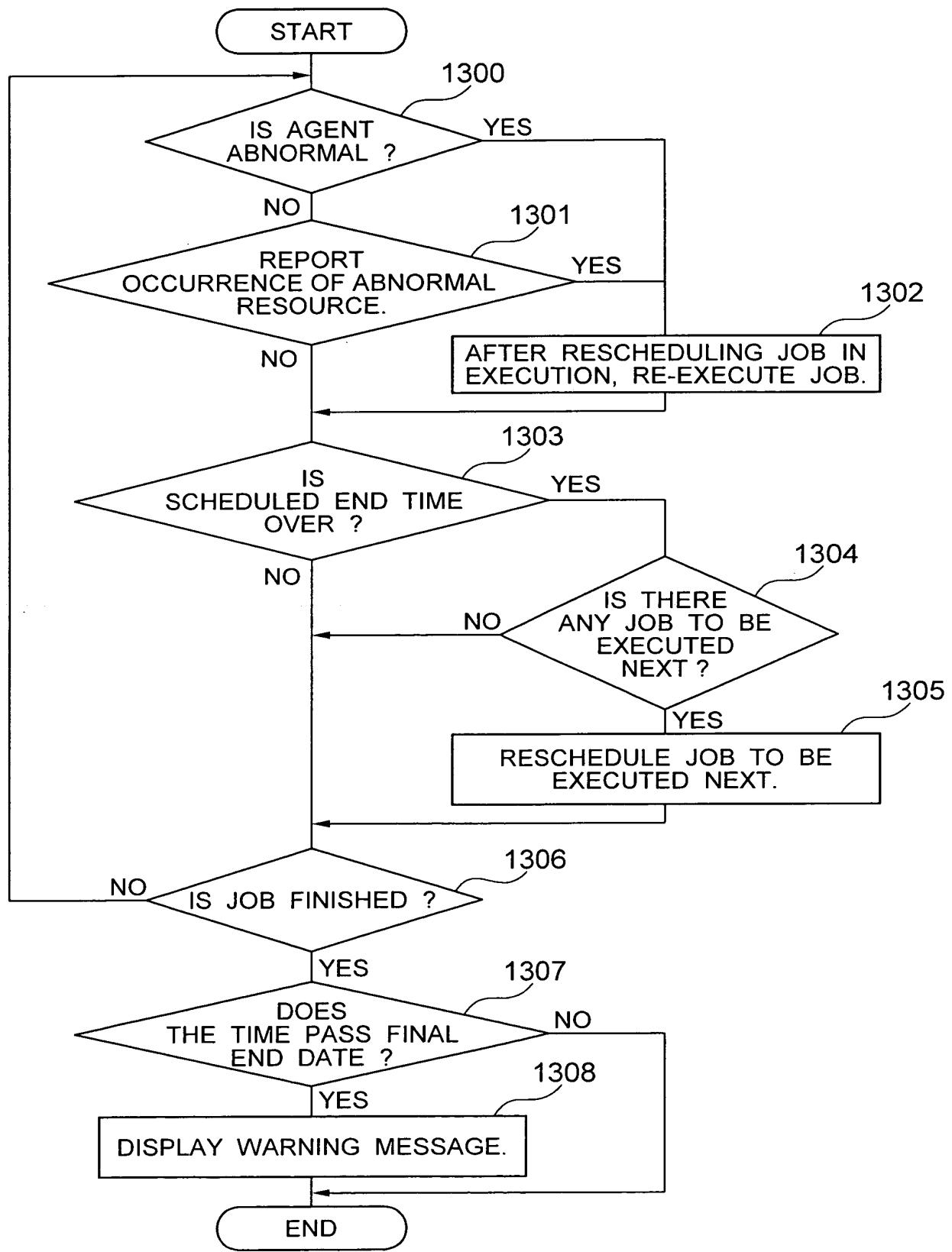


FIG. 14

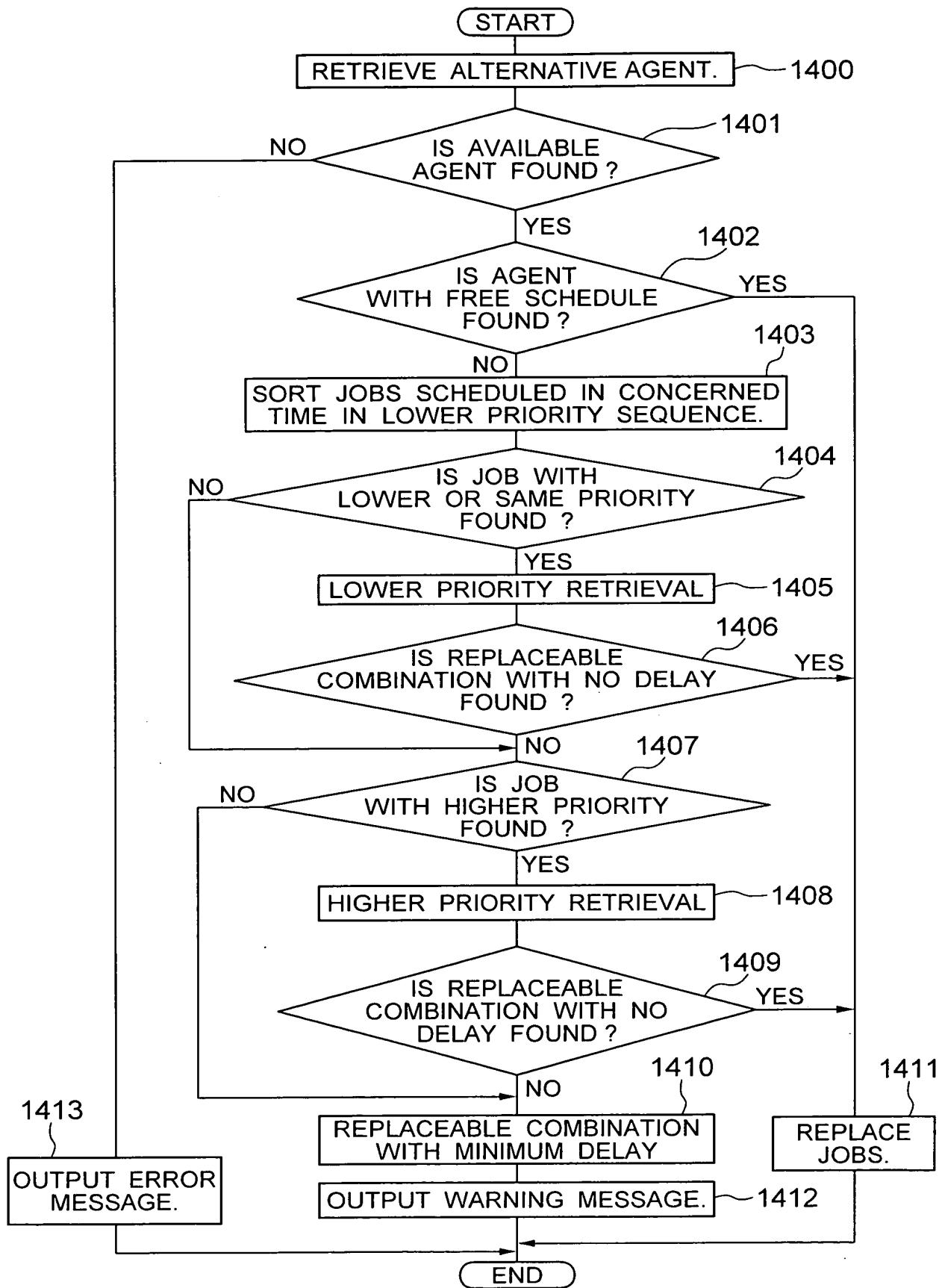


FIG. 15

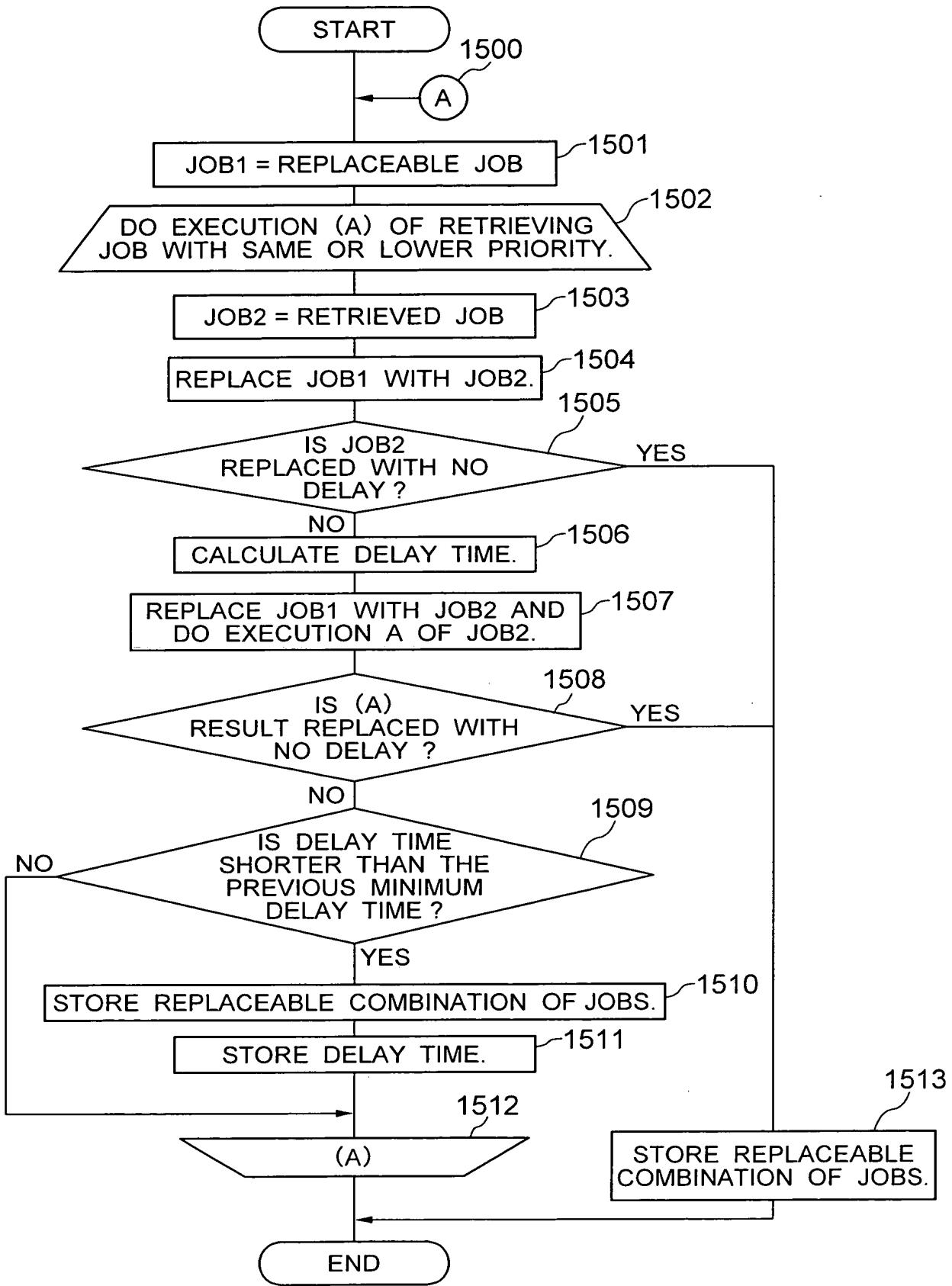


FIG. 16

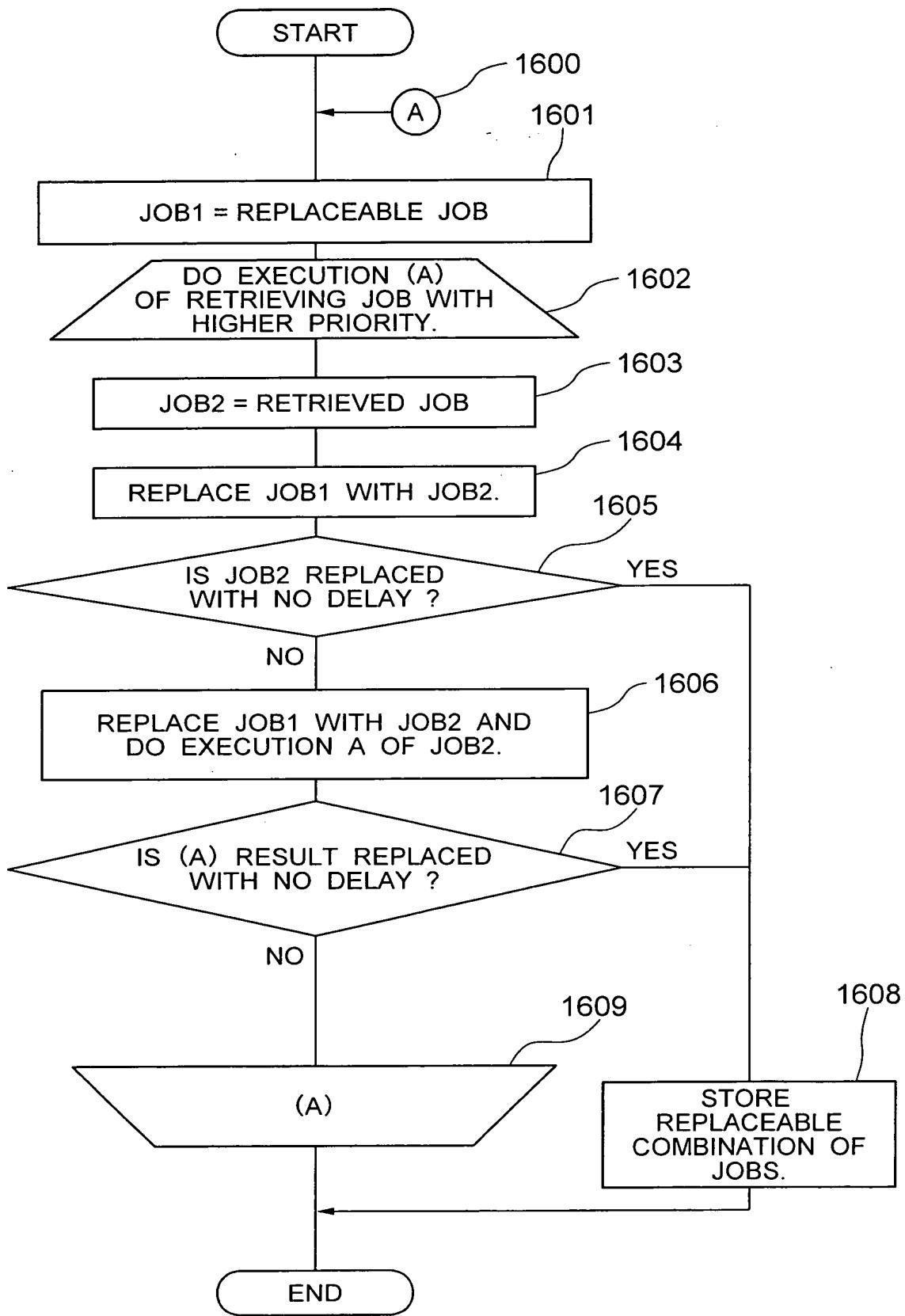


FIG. 17

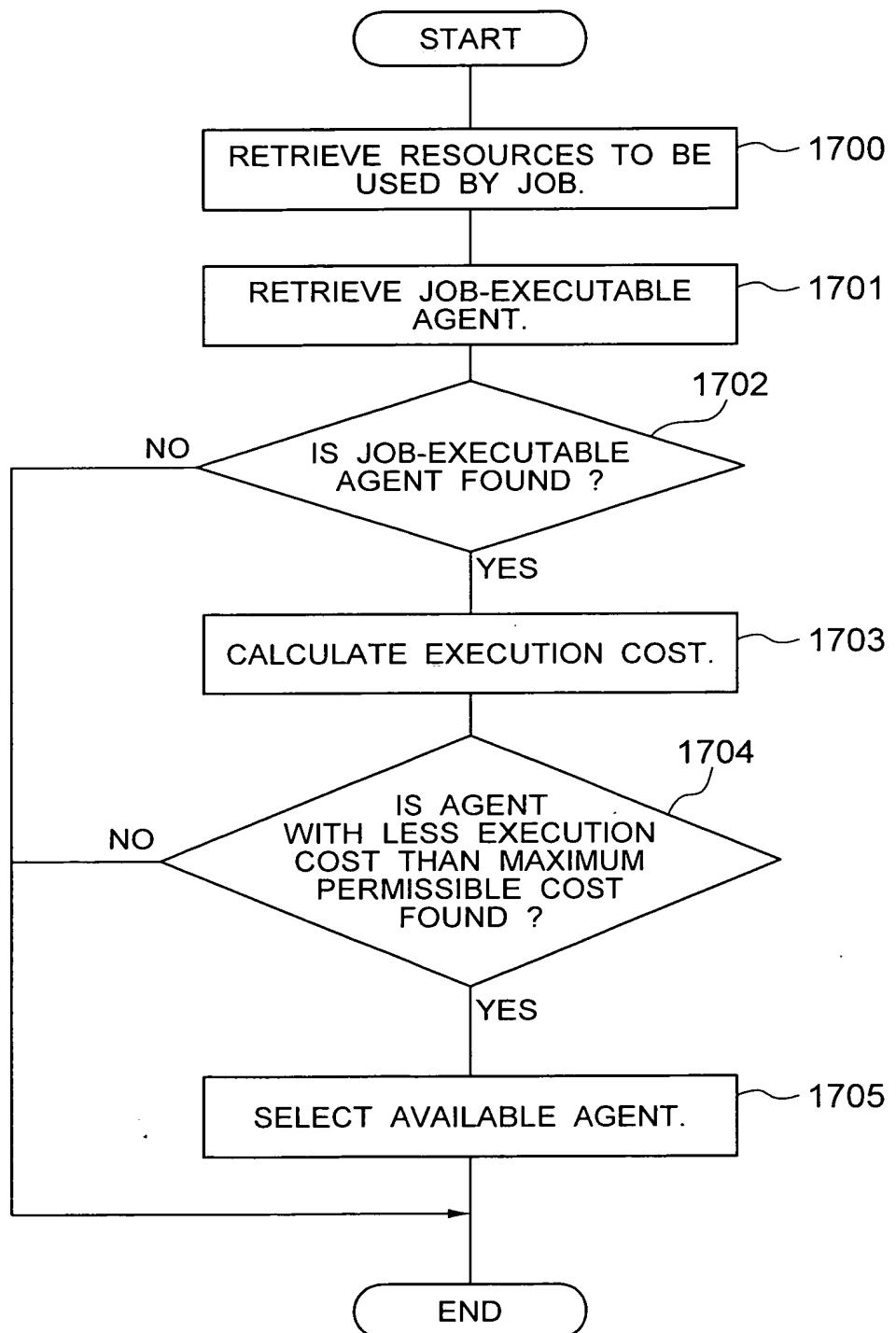


FIG. 18A

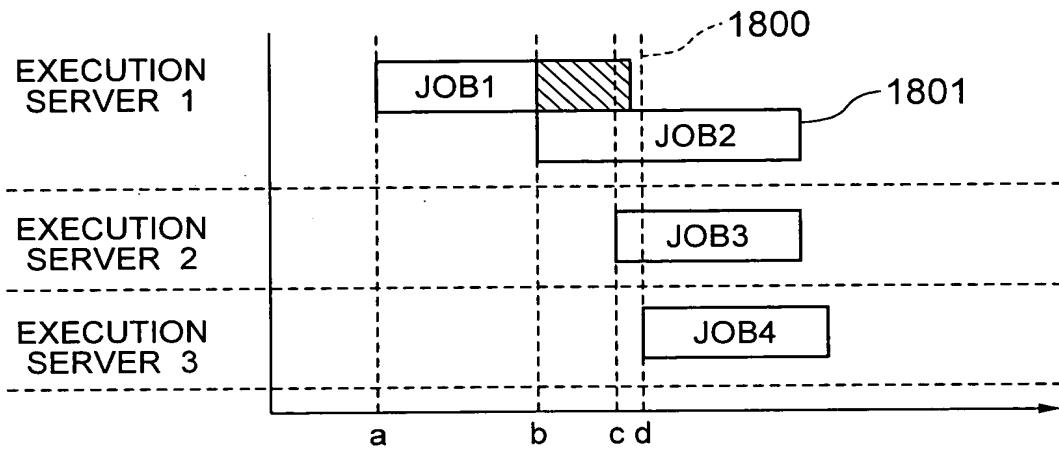


FIG. 18B

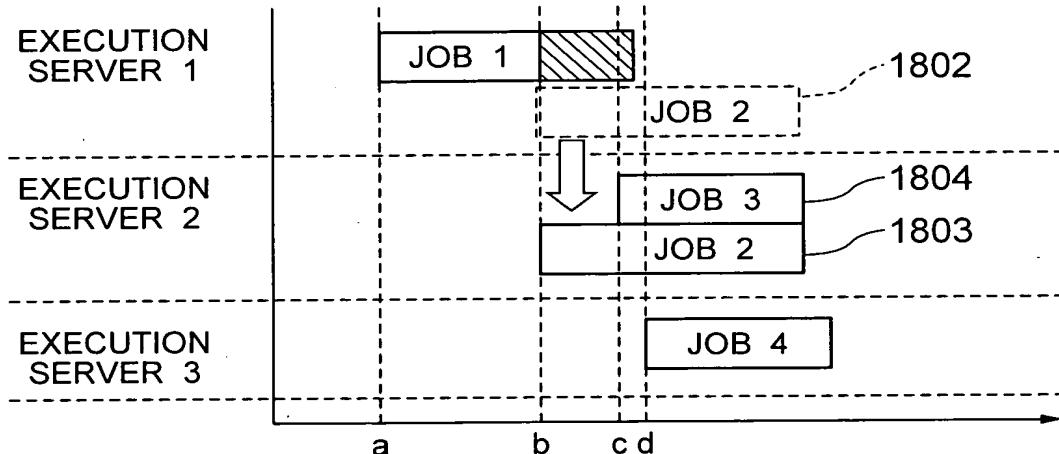


FIG. 18C

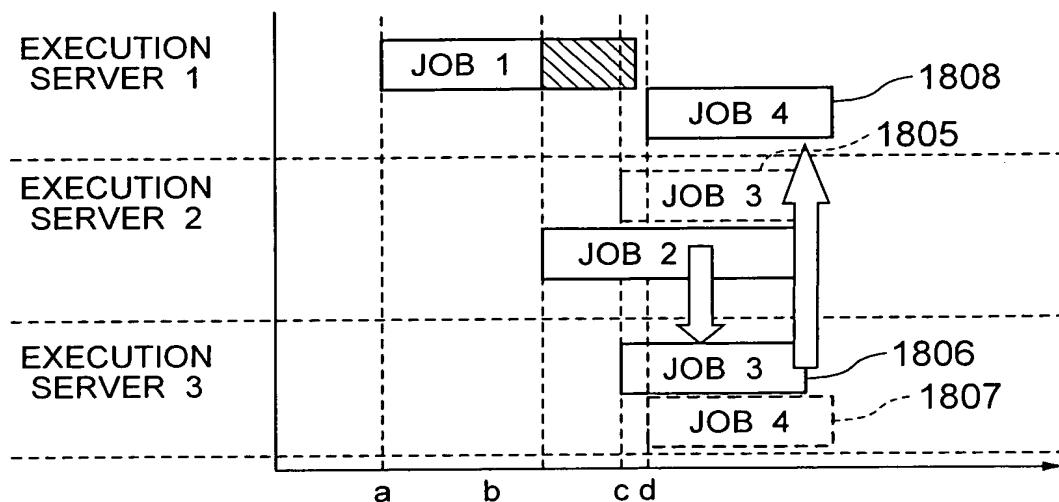


FIG. 19A

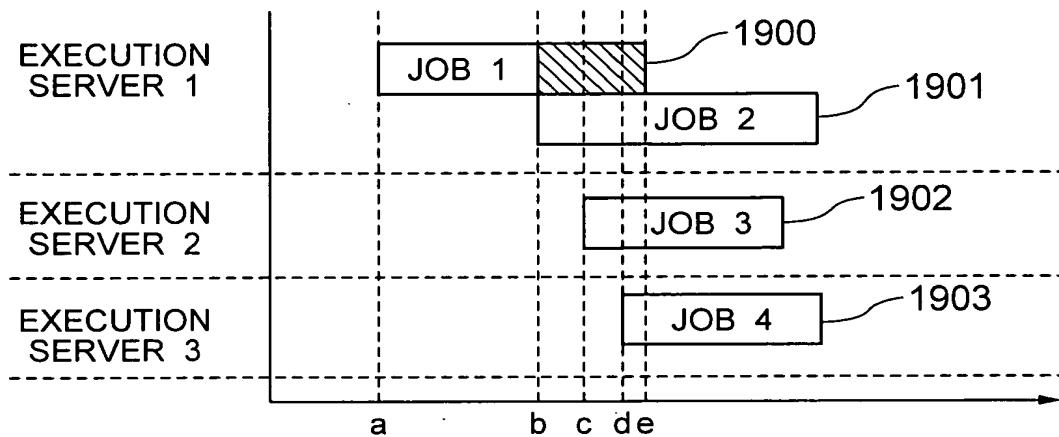


FIG. 19B

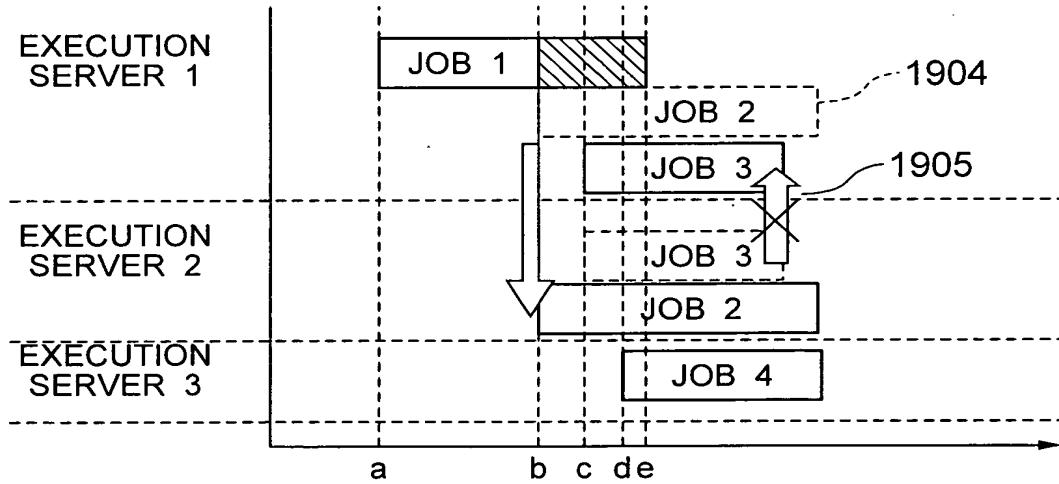


FIG. 19C

